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Title: INTERNET FACSIMILE APPARATUS AND ADDRESS INPUT METHOD

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 Washington, DC 20231

## APPLICATION ELEMENTS

## ACCOMPANYING APPLICATION PARTS

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification  
(preferred arrangement set forth below) [Total Pages 24]  
 - Descriptive title of the Invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to Microfiche Appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 8]
4. ☒ Oath or Declaration [Total Pages 3]  
 a. ☒ Newly executed (original or copy) ☐ Unexecuted  
 b. ☐ Copy from a prior application (37 CFR 1.63(d))  
 (for continuation/divisional with Box 18 completed)  
 [Note Box 5 below]  
 i. ☐ **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 CFR 1.63(d)(2)  
 and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
 The entire disclosure of the prior application, from which a copy  
 of the oath or declaration is supplied under Box 4b, is considered  
 as being part of the disclosure of the accompanying application  
 and is hereby incorporated by reference therein.
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☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior Application No. \_\_\_\_\_, filed \_\_\_\_\_.
19. ☐ Amend the specification by inserting before the first line the sentence:

This application is a \_\_\_\_\_ continuation-in-part, \_\_\_\_\_ continuation, \_\_\_\_\_ division, of Application No. \_\_\_\_\_, filed \_\_\_\_\_.

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## **SPECIFICATION**

Title of the Invention :

INTERNET FACSIMILE APPRATUS AND  
ADDRESS INPUT METHOD

Inventor :

KIYOSHI TOYODA

INTERNET FACSIMILE APPARATUS AND  
ADDRESS INPUT METHOD

BACKGROUND OF THE INVENTION

5

Field of the Invention

The present invention relates to an Internet facsimile apparatus and method for inputting an e-mail address of a destination to the Internet facsimile apparatus.

10

Description of the Related Art

Conventionally, Internet facsimile apparatuses (hereinafter referred to as "IFAX") as disclosed in the Unexamined Japanese Patent Publication No. HEI 8-242326 and U.S. Patent No. 5,881,233 are proposed. Such an IFAX requires the operator to input an e-mail address for destination before transmission.

If the destination is a G3 facsimile, the transmission source IFAX can request an IFAX near the destination G3 facsimile to relay the transmission. When the transmission source IFAX requests the relay IFAX to relay the transmission, the operator needs to input a relay address including a predetermined relay command in the IFAX mail address to the transmission source IFAX.

25

However, the IFAX is generally not provided with a keyboard dedicated to inputs of alphabetic characters as in the case of a conventional G3 facsimile apparatus.

For example, with the conventional IFAX, it is possible to switch to alphabetic input mode and use function keys to enter alphabetic characters. However, since the function keys are relatively small, the conventional IFAX is susceptible to input errors when a relatively long mail address is input and is not operator-friendly.

#### SUMMARY OF THE INVENTION

10 The present invention has been implemented taking into account the points described above and it is an objective of the present invention to provide an Internet facsimile apparatus and address input method that will provide a simple and reliable way of inputting mail  
15 addresses.

It is another objective of the present invention to provide an apparatus that when the operator enters a user name, will add a default domain name to this user name and generate a mail address.

20 It is a further objective of the present invention to provide an apparatus that when the operator enters a FAX telephone number, will add this FAX telephone number to the mail address of the relay apparatus and generate a mail address for a relay request.

25 When a user name is entered from the panel, the present invention adds a default domain name to the user name, obtains a mail address and transmits e-mail using this mail address. As a result, with the present

invention all that the operator needs to do is simply enter the user name.

Furthermore, when a FAX telephone number is entered from the panel, the present invention attaches the mail address of the relay apparatus to the FAX telephone number above, obtains the relay request mail address and transmits e-mail using this relay request mail address. As a result, all that the operator needs to do is simply enter the FAX telephone number of the final destination.

10       An Internet facsimile apparatus according to a first aspect of the present invention comprises a panel with a plurality of buttons, memory to store a default domain name, panel input control section that when a user name is entered from the panel, adds the default domain name to the user name and generates a mail address and mail transmission processing section that transmits e-mail directed to the mail address.

20       In this configuration, when the operator enters the user name from the panel, the panel input control section adds the default domain to the user name and generates the mail address, and therefore all that the operator needs to do is simply enter the user name.

25       An Internet facsimile apparatus according to a second aspect of the present invention comprises a panel with a plurality of buttons, memory to store a default domain name, decision section that when the input data from the panel does not include any "@", decides that the input data is the user name, panel input control

section that when the decision section decides that the input data is a user name, adds the input data to the user name and generates a mail address and mail transmission processing section that transmits e-mail directed to the mail address.

In this configuration, when the operator enters the user name from the panel, since the user name does not include any "@" indicating a border between an address and domain name, the panel input control section decides that this input data is the user name, adds the default domain to this user name to generate a mail address, and therefore all that the operator needs to do is simply enter the user name.

An Internet facsimile apparatus according to a third aspect of the present invention comprises a panel with a plurality of buttons, memory to store a relay apparatus mail address, panel input control section that when a FAX telephone number is entered from the panel, adds the relay apparatus mail address to the FAX telephone number and generates a relay request mail address and mail transmission processing section that transmits e-mail directed to the relay request mail address.

In this configuration, when the operator enters the user name from the panel, the panel input control section adds the FAX telephone number to the relay apparatus mail address to generate a relay request mail address, and therefore all that the operator needs to do is simply

enter the FAX number.

5 An Internet facsimile apparatus according to a  
fourth aspect of the present invention comprises a panel  
with a plurality of buttons, memory to store a default  
domain name, decision section that when the input data  
from the panel only consists of numbers, decides that  
the input data is the FAX telephone number of the final  
destination, panel input control section that when the  
decision section decides that the input data is the FAX  
10 telephone number of the final relay destination, adds  
the relay apparatus mail address to the FAX telephone  
number to generate a relay request mail address and mail  
transmission processing section that transmits e-mail  
directed to the relay request mail address.

15 In this configuration, when the operator enters the  
FAX telephone number from the panel, since the FAX  
telephone number generally consists of numbers only, the  
panel input control section decides that this input data  
is the FAX telephone number of the final relay  
20 destination, adds the FAX telephone number to the relay  
apparatus mail address and generates a relay request mail  
address, and therefore all that the operator needs to  
do is simply enter the user name.

25 BRIEF DESCRIPTION OF THE DRAWINGS

The above and other objects and features of the  
invention will appear more fully hereinafter from a

consideration of the following description taken in connection with the accompanying drawing wherein one example is illustrated by way of example, in which;

FIG.1 is a conceptual diagram showing a network on which an Internet facsimile apparatus according to an embodiment of the present invention operates;

FIG.2 is a block diagram showing IFAX hardware according to the embodiment above;

FIG.3 is a block diagram showing functions of the IFAX according to the embodiment above;

FIG.4 is a functional block diagram showing an IFAX processing section of the IFAX according to the embodiment above;

FIG.5 is a floor plan showing a panel of the IFAX according to the embodiment above;

FIG.6 is a block diagram showing functions of a panel control section of the IFAX according to the embodiment above;

FIG.7 is a flow diagram showing e-mail transmission steps in the IFAX according to the embodiment above; and

FIG.8 is a flow diagram showing default domain name registration steps in the IFAX according to the embodiment above.

25 DETAILED DESCRIPTION OF THE  
PREFERRED EMBODIMENTS

With reference now to the attached drawings, an



embodiment of the present invention is explained in detail below.

FIG.1 is a conceptual diagram showing a network on which the Internet facsimile apparatus according to an embodiment of the present invention operates.

Internet facsimile apparatus according to the present embodiment (hereinafter referred to as "IFAX") 1 is connected to LAN 2. This LAN 2 is connected to Internet 3. IFAX 4 on the receiving side is connected to this Internet 3. Moreover, relay apparatus IFAX (hereinafter referred to as "relay apparatus") 5 is connected to Internet 3. This relay apparatus 5 is connected to a Public Switched Telephone Network (PSTN) 6. G3FAX 7 is connected to PSTN 6.

IFAX 1 transmits/receives image, etc. to/from IFAX 4 by e-mail via LAN 2 and Internet 3. Furthermore, IFAX 1 requests relay apparatus 5 to relay data to G3FAX 7. Relay apparatus 5 converts the e-mail data received from IFAX 1 to facsimile data and transmits this facsimile data to G3FAX 7.

A detailed explanation of IFAX 1 according to the present embodiment is given below. FIG.2 is a block diagram showing the IFAX hardware according to the present embodiment. CPU 11 executes a program and controls the entire apparatus. ROM 12 stores the program that CPU 11 executes.

RAM 13 provides a work area to execute the program and a buffer area to temporarily store various kinds of

data such as e-mail and image files.

FAX/voice processing section 14 modulates facsimile data and voice, outputs modulated data to PSTN 6 and demodulates the modulated data received from PSTN 6 to facsimile data and voice data.

Scanner 15 scans a document and obtains image of the document. Printer 16 prints various kinds of data including the received image data.

LAN interface 17 executes the necessary procedure to transmit/receive data on LAN 2.

Panel 18 is provided with dial keys and a touch panel and receives operations by the operator such as specification of a destination or a command to start transmission.

ROM 12 stores a program and CPU 11 executes that program. The functions implemented as a result are explained below. FIG.3 is a block diagram showing functions of IFAX 1 according to the present embodiment.

IFAX 1 comprises FAX/voice control section 100, scanner control section 200 and printer control section 300, and controls processing sections such as FAX/voice processing section 14, scanner 15 and printer 16.

IFAX 1 further comprises IFAX processing section 400 that implements the function as an IFAX. IFAX 1 further comprises panel control section 500 that controls inputs from panel 18.

FIG.4 is a functional block diagram showing IFAX processing section 400 of the IFAX according to the

embodiment above. Scanner control section 200 sends image data (e.g., bitmap data) scanned by scanner 16 to IFAX processing section 400. Documents are scanned by scanner 16 for one page of document at a time, and therefore image data is created for one page of document at a time. IFAX processing section 400 compresses image data in a compression format such as MH by compression/expansion section 401 and obtains compressed data. This compressed data is converted by TIFF conversion section 402 to one TIFF (Tagged Image File Format) file. This TIFF file is attached to multi-part mail by e-mail creation section 403 according to MIME (Multipurpose Internet Mail Extension), for example, and in this way I-FAX mail is created.

The created I-FAX mail is sent to a mail server by mail transmission section 404 according to SMTP (Simple Mail Transfer Protocol), for example, via LAN interface 17.

On the other hand, in IFAX processing section 400, when mail reception section 405 receives I-FAX mail via LAN interface 17, binary conversion section 406 converts an attached file included in the I-FAX mail from text codes to binary data and obtains a TIFF file. TIFF interpret section 407 interprets the TIFF file to obtain compressed data. Compression/expansion section 401 expands these compressed data and obtains image data. Printer 16 prints these image data.

FIG.5 is a floor plan showing panel 18 of the IFAX

according to the embodiment above.

Panel 18 comprises display section 501 made up of an LCD, for example, at the top. Below display section 501 is printing setting section 502 that includes a plurality of printing setting buttons 502a to 502d to perform printing settings such as printing concentration, character size, half-tone and confirmation stamp.

Below printing setting section 502, there are memory button 503, function button 504, quick dial button 505 and Internet button 506 from left to right.

Below these buttons 503 to 506 is one-touch dial section 508 with an array of one-touch dial buttons 507. Below one-touch dial section 508 is program communication section 510 with an array of program buttons 509.

Below program communication section 510 are redial/pause button 511, abbreviated dialing button 512, sub-address/hook button 513, clear/monitor sound volume button 514, set button 515 and monitor button 516.

Below these buttons 511 to 516 and on the left side of panel 18 is ten-key section 518 with an array of ten-keys 517. On the right side of this ten-key section 518 are stop button 519, copy button 520 and start button 521.

FIG. 6 is a block diagram showing functions of panel control section 500 of the IFAX according to the embodiment above. Panel control section 500 comprises input data analysis section 601 that analyzes input data.

Input data analysis section 601 analyzes input data and sends the analysis result to decision section 602. Input data analysis section 601 analyzes whether the input data contains "@" or not, that is, whether the input data is a user name or not. Input data analysis section 601 further analyzes whether the input data only consists of numbers or not, that is, whether the input data is a FAX telephone number or not.

Decision section 602 decides the subsequent processing based on the analysis result of input data analysis section 601 and whether Internet button 506 of panel 18 has been held down or not.

If the input data is a user name, default domain adding section 603 adds default domain name 604 stored in RAM 13 to this user name, obtains a mail address and sends the mail address to e-mail creating section 403.

If the input data is a FAX telephone number, relay apparatus address adding section 605 adds relay apparatus mail address 606 stored in RAM 13 to the FAX telephone number, obtains a relay mail address, adds a command character (e.g., FAX#) indicating relay before the FAX telephone number and a relay domain name after the FAX telephone number, creating a mail address "FAX#FAX number@domain name" and sends the mail address to e-mail creation section 403.

Default domain registration section 607 registers the default domain name input from panel 18 in RAM 13 in registration mode. Likewise, relay apparatus

address registration section 608 registers the relay apparatus mail address input from panel 18 in RAM 13.

RAM 13 is also provided with an address indicating default domain flag 609 and when this default domain flag 5 609 is on, default domain adding section 603 adds a default domain to the input data. RAM 13 is further provided with an address for storing password 610, and e-mail creation section 403 adds this password to the text section of e-mail when e-mail is sent to the relay 10 apparatus.

Then, the e-mail transmission operation of IFAX 1 configured as shown above is explained. FIG.7 is a flow diagram showing e-mail transmission steps of the IFAX according to the embodiment above.

15 After placing a document on a document stand of IFAX 1, the operator holds down Internet button 506 (ST701). In this case, panel control section 500 changes the input mode of panel 18 to a character string input mode. This allows the operator to enter a character string such as 20 alphabetic characters and symbols using one-touch dial button 507 and program button 509 of panel 18.

Then, the operator enters the destination data from panel 18 (ST702). Then, the operator holds down start button 521 and commands the start of transmission 25 processing (ST703).

Input data analysis section 601 of panel control section 500 analyzes the inputted data (ST704). Input data analysis section 601 sends this analysis result to

decision section 602.

Decision section 602 decides whether the inputted data only consists of numbers or not (ST704). If the inputted data consists not only of numbers, that is, the  
5 inputted data consists of alphabetic characters and/or symbols, decision section 602 decides whether the inputted data contains any "@" or not (ST706). Here, if no "@" is included, decision section 602 decides that the input data is the user name of the mail address.

10 Then, decision section 602 accesses the address of default domain flag 609 of RAM 13 and decides whether default domain flag 609 is on or not (ST707). If default domain flag 609 in ST707 is on, decision section 602 commands default domain adding section 603 to send the  
15 inputted data. Default domain adding section 603 adds a default domain to the inputted data, that is, the user name (ST708). Default domain adding section 603 sends the mail address generated to e-mail creation section 403 of IFAX processing section 400 (ST709).

20 E-mail creation section 403 specifies this mail address to destination field [To:] or [Cc:] and creates a header (ST709). E-mail creation section 403 further adds the text section and data section to the header and creates e-mail, and mail transmission section 404 sends  
25 this e-mail (ST710).

If the default domain flag is off in ST707, since the inputted data does not conform to the mail address format, decision section 602 decides an input error and

carries out error handling (ST711).

On the other hand, if an "@" is included in the inputted data in ST705, decision section 603 decides that the inputted data is a mail address and skips ST706 and  
 5 ST707 and moves the processing to ST708, creates and transmits e-mail directed to the corresponding mail address (ST710).

In ST704, if decision section 603 decides that the inputted data only consists of numbers, the input data  
 10 is sent to relay apparatus address adding section 605. Relay apparatus address adding section 605 adds the inputted data, that is, the FAX telephone number to the relay apparatus address according to the relay mail address form and creates a relay mail address (ST712).  
 15 For example, if a telephone number 0000 is entered, a relay mail address [FAX#0000@relay apparatus domain name] is created.

Then, e-mail creation section 403 of IFAX processing section 400 of IFAX 1 adds password 610  
 20 extracted from RAM 13 to the first line of the text section of e-mail (ST713). Then, e-mail creation section 403 creates a header and creates e-mail (ST709). Mail transmission section 404 sends the e-mail created (ST710).

25 FIG.8 is a flow diagram showing default domain name registration steps of the IFAX according to the embodiment above.

When the operator holds down a specific button,



panel control section 500 enters registration mode (ST801). When the operator enters a default domain name from panel 18, default domain registration section 607 of panel control section 500 registers the default domain name entered in a predetermined address in RAM 13 (ST802). Then, default domain registration section 607 turns on the default domain flag (ST803). Then, panel control section 500 turns off the registration mode (ST804). Relay apparatus address registration section 608 also registers the relay apparatus address in the same way.

As explained above, according to IFAX 1 of the embodiment above, input data analysis section 601 analyzes the inputted data from panel 18 and based on this analysis result, if decision section 602 decides that the inputted data is the user name of the mail address, default domain adding section 603 captures the default domain name from RAM 13 and adds the default domain name to this user name. Since the operator only needs to enter the user name, this allows the operator to enter the destination mail address from panel 18 whose input operation is relatively difficult with ease and without errors.

If decision section 602 decides that the inputted data is not the user name but mail address, that is, when the inputted data includes an "@" in this example, decision section 602 commands e-mail creation section 403 to create a header by specifying the input data as the destination. Therefore, the operator only needs to

enter a mail address without being aware of other things.

If default domain flag 609 is on, decision section 602 enables default domain adding section 603, and therefore the operator can use the default domain name according to the operator's need. Furthermore, when default domain name 604 is registered in RAM 13, as shown in FIG.8, default domain registration section 607 turns on default domain flag 609, and therefore can automatically enable default domain adding section 603 when the default domain name is registered.

Furthermore, according to IFAX 1 of the embodiment above, after Internet button 506 of panel 18 is held down and if only numbers are entered from panel 18, decision section 602 decides that the FAX telephone number of the final relay destination has been entered. In this case, relay address adding section 605 adds this FAX number to the relay apparatus mail address stored in RAM 13 and creates a relay address. e-mail creation section 403 creates a header by specifying this relay address as the destination. Therefore, the operator only needs to press Internet button 506 to enter the FAX number and needs not to enter a relatively long relay address from panel 18. As a result, the operator can enter a relay request from panel 18 whose entry is relatively difficult to the relay apparatus with ease and without errors.

Moreover, since the relay request processing above is carried out when the operator holds down Internet button 506 and then enters the FAX number, and if the

operator enters the FAX number without pressing Internet button 506, normal facsimile transmission is carried out, which is advantageous in not forcing the operator to do extra operations.

5           The present invention is not limited to the embodiment above. The embodiment above explained the Internet facsimile apparatus incorporating the G3/G4FAX and IFAX functions as an example, but the present invention is also applicable to an Internet facsimile  
10   apparatus incorporating only the IFAX functions. Furthermore, the present invention is also applicable to an information processing terminal with the IFAX functions such as copier, network scanner, network printer, image combiner and personal digital assistant  
15   (PDA), etc.

          The present invention further includes a storage medium storing the program executed by the CPU to carry out the same processing as that of the Internet facsimile apparatus according to the embodiment above. Moreover,  
20   the present invention is also applicable to a personal computer to which a scanner is connected, comprising a network communication section and executing the program stored in said storage medium.

          The present invention is not limited to the above  
25   described embodiments, and various variations and modifications may be possible without departing from the scope of the present invention.

          This application is based on the Japanese Patent

276 275 274 273 272 271 270 269 268 267 266 265 264 263 262 261 260 259 258 257 256 255 254 253 252 251 250 249 248 247 246 245 244 243 242 241 240 239 238 237 236 235 234 233 232 231 230 229 228 227 226 225 224 223 222 221 220 219 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201 200 199 198 197 196 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180 179 178 177 176 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

What is claimed is:

1. An Internet facsimile apparatus transmitting data via a computer network, comprising:
  - 5 a panel with a plurality of buttons;
  - a memory that stores one or more default domain names;
  - a controller that when a user name is input from said panel through a button operation, generates a mail address with said default domain name added to said user name; and
  - 10 a mail section that transmits e-mail directed to said mail address.
2. The Internet facsimile apparatus according to claim 1, wherein if the data input from said panel through a button operation contains no "@", said controller decides that said input data is a user name.
3. The Internet facsimile apparatus according to claim 2, wherein if the data input from said panel through a button operation contains an "@", said controller creates no mail address and inputs said input data to said mail section as a mail address.
4. The Internet facsimile apparatus according to claim 1, wherein said memory stores the mail address of the relay apparatus placed on said computer network, and  
25 if a FAX telephone number is input from said panel through a button operation, said controller adds the mail address of said relay apparatus to said FAX telephone

number and creates a mail address for a relay request,  
and

said mail section transmits e-mail directed to the  
mail address for said relay request.

5 5. The Internet facsimile apparatus according to  
claim 4, wherein if the data input from said panel through  
a button operation only includes numbers, said  
controller decides that said input data is the FAX  
telephone number of the relay destination.

10 6. The Internet facsimile apparatus according to  
claim 1, wherein said panel comprises a plurality of  
abbreviated dialing buttons with abbreviated dialing  
numbers assigned and an Internet button that changes the  
input mode of said abbreviated dialing buttons, and

15 said controller has a mode that allows a telephone  
number to be entered from said abbreviated dialing  
buttons and another mode that allows characters to be  
entered and changes to the mode that allows characters  
to be entered from said abbreviated dialing buttons when  
20 said Internet button is held down.

7. The Internet facsimile apparatus according to  
claim 6, wherein said panel has an operation plane  
providing a plurality of abbreviated dialing buttons  
with abbreviated dialing numbers assigned, an Internet  
25 button that changes the input mode of said abbreviated  
dialing buttons and a ten-key pad to enter numbers, and  
said operation plane having no dedicated buttons for  
entering alphabetic characters.

8. The Internet facsimile apparatus according to claim 1, further comprises a registration section to register a default domain name in said memory.

9. The Internet facsimile apparatus according to claim 8, wherein said memory stores the status of a domain flag that indicates that the default domain name to be linked with the user name entered is stored in said memory;

10 said registration section sets said domain flag in an ON status when the default domain name is registered in said memory; and

if said domain flag is in an ON status, said controller links the default domain name with the user name and creates a mail address.

15 10. An Internet facsimile apparatus transmitting data via a computer network, comprising:

a panel with a plurality of buttons;

a memory storing the mail address of a relay apparatus placed on said computer network;

20 a controller that when a FAX telephone number is input from said panel through a button operation, generates a mail address for a relay request with the mail address of said relay apparatus added to said FAX telephone number; and

25 a mail section that transmits e-mail directed to said mail address.

11. The Internet facsimile apparatus according to claim 10, wherein if the data input from said panel

through a button operation only includes numbers, said controller decides that said input data is the FAX telephone number of the final destination.

12. The Internet facsimile apparatus according to  
5 claim 10, wherein the FAX telephone number of the final destination is used as a command to request said relay apparatus to relay.

13. A mail address creating method comprising:  
identifying the user name from data input from a

10 panel;

reading a default domain name from a memory; and  
linking the read default domain name with the  
identified user name and creating a mail address.

14. The mail address creating method according to claim  
15 13, wherein if said input data contains no "@", said input data is decided as the user name and if said input data contains an "@", it is recognized that a complete mail address has been entered and no mail address is generated.

20 15. A mail address creating method comprising:

identifying a FAX telephone number from data input  
from a panel;

reading the mail address of a relay apparatus from  
a memory; and

- 25 adding the mail address of said relay apparatus to  
said FAX telephone number to create a mail address for  
a relay request.

16. The mail address creating method according to claim



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This Internet facsimile apparatus comprises a  
5 panel with a plurality of buttons, memory to store a  
default domain name, panel input control section that  
if a user name is input from said panel, adds said default  
domain name to said user name to create a mail address  
and mail transmission processing section that transmits  
10 e-mail directed to said mail address.

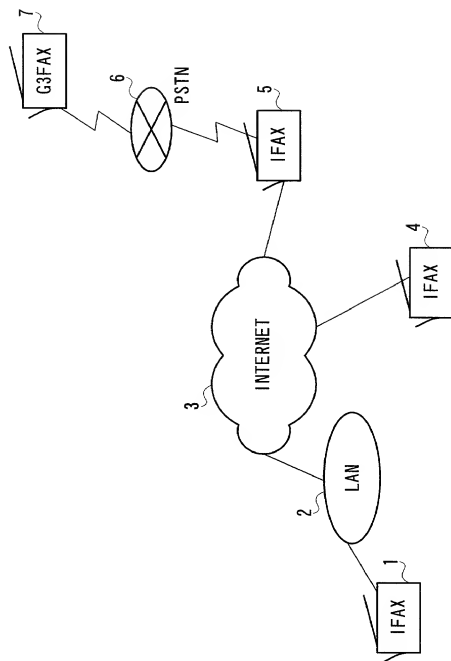


FIG. 1

FIG. 2

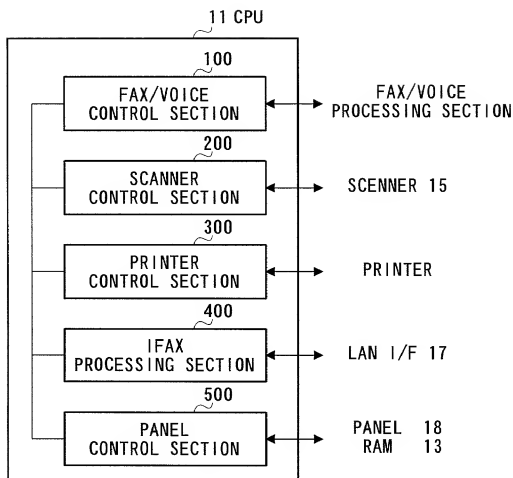


FIG. 3

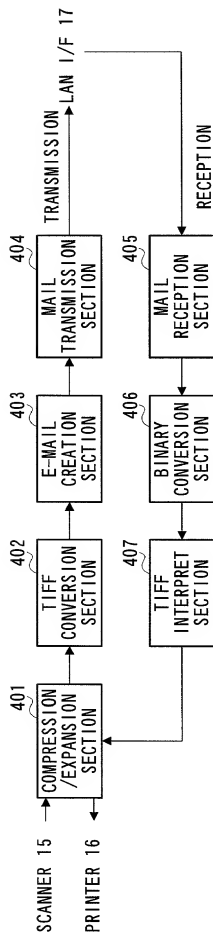
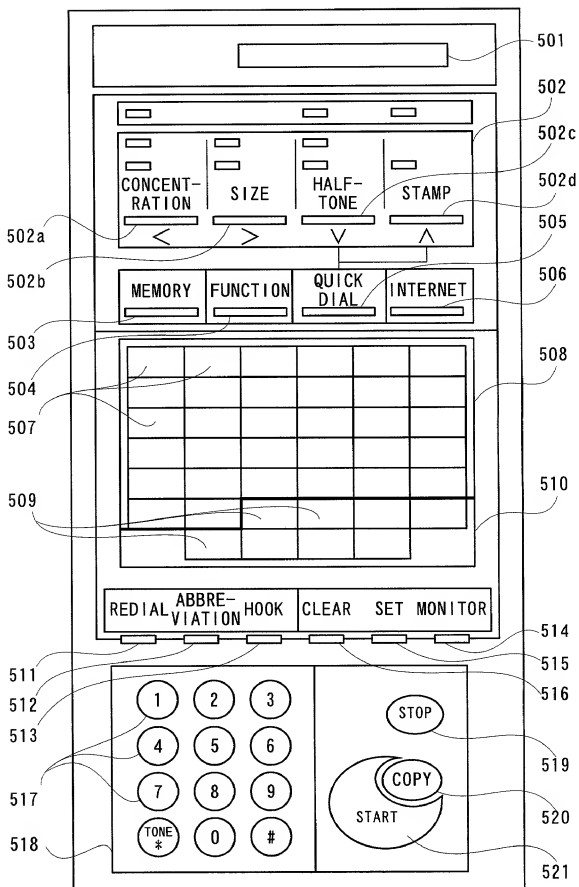


FIG. 4







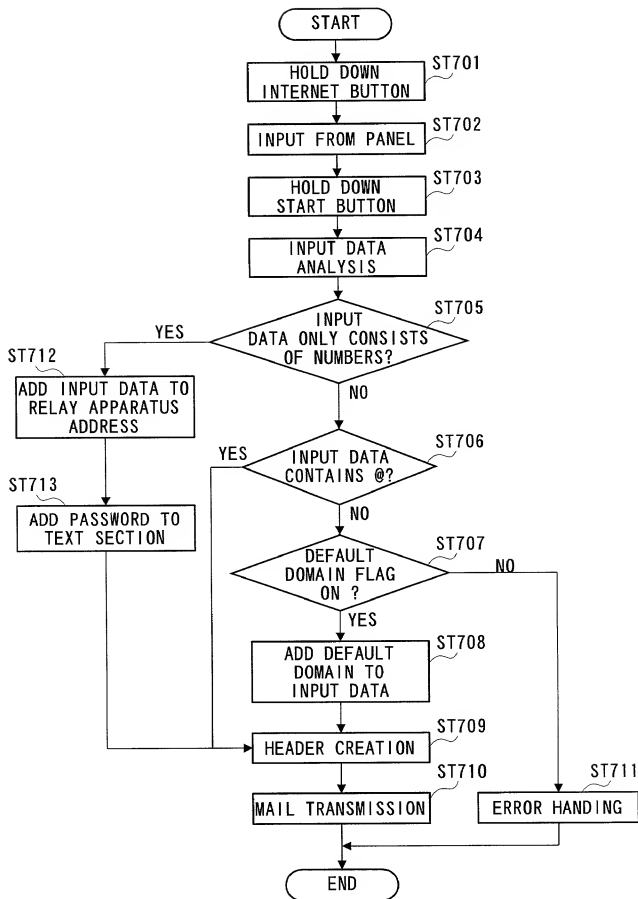


FIG. 7

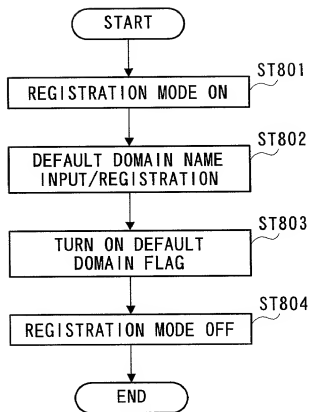


FIG. 8

# Declaration and Power of Attorney For Utility or Design Patent Application

## 特許出願宣言書

### Japanese Language Declaration

私は、下欄に氏名を記載した発明者として、以下のとおり宣言する:

私の住所、郵便の宛先および国籍は、下欄に氏名に続いて記載したとおりであり、

名称の発明に関し、請求の範囲に記載した特許を求めた主題の本来の、最初にして唯一の発明者である(一人の氏名のみが下欄に記載されている場合)か、もしくは本来の、最初にして共同の発明者である(複数の氏名が下欄に記載されている場合)と信じ、

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

INTERNET FACSIMILE APPARATUS AND

ADDRESS INPUT METHOD

the specification of which is attached hereto unless the following box is checked:

上記発明の明細書(下記の欄でX印がついていない場合は、本書に添付)は、

☐ 年 月 日に提出され、

米国出願番号 \_\_\_\_\_ とし、

(該当する場合) \_\_\_\_\_ 年 月 日に訂正されました。又は、

特許協定条約国際出願番号 \_\_\_\_\_ とし、

(該当する場合) \_\_\_\_\_ 年 月 日に訂正されました。

私は、前期のとおり補正した請求の範囲を含む前記明細書の内容を検討し、理解したことを陳述する。

私は、連邦規則法典第37編第1条第56項定義されたとおり、特許資格の有無について重要な情報を開示すべき義務をあることを認めます。

私は合衆国法典第35部第119条(a-d)項又は第365条(b)項に基づく、下記の外国特許出願又は発明者証出願、或いは第365条(a)項に基づく、少なくとも米国以外の1ヶ国を指名したPCT国際出願の外国優先権を主張し、更に優先権の主張に係る基礎出願の出願日前の出願日を有する外国特許出願、又は発明者証出願、或いはPCT国際出願を以下に"なし"の箱に印をつけることにより明記する:

☐ was filed on \_\_\_\_\_ as

United States Application Number \_\_\_\_\_

and was amended on \_\_\_\_\_ (if applicable) or,

PCT International Application Number \_\_\_\_\_

and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority under Title 35, United States Code §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States, listed below. I have also identified below, by checking the "No" box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior foreign applications  
先の外国出願

JP11-243064

(Number)  
(番号)

JAPAN

(Country)  
(国名)

30/August/1999

(Day/Month/Year Filed)  
(出願の年月日)

(Number)  
(番号)

(Country)  
(国名)

(Day/Month/Year Filed)  
(出願の年月日)

(Number)  
(番号)

(Country)  
(国名)

(Day/Month/Year Filed)  
(出願の年月日)

Priority claimed  
優先権の主張

☒ ☐

Yes No  
あり なし

☐ ☐

Yes No  
あり なし

☐ ☐

Yes No  
あり なし

☐ その他の外国特許出願番号は別紙の追補優先権欄に記載する。

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto.

# Japanese Language Utility or Design Patent Application Declaration

私は、合衆国法典第35部第119条(c)項に基づく、下記の合衆国仮特許出願の利益を主張する。

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

(Application Number)  
(番号)

(Day/Month/Year Filed)  
出願の年月日

(Application Number)  
(番号)

(Day/Month/Year Filed)  
出願の年月日

(Application Number)  
(番号)

(Day/Month/Year Filed)  
出願の年月日

☐ その他の合衆国仮特許出願番号は別紙の追補優先権欄にて記載する。

☐ Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.

私は、合衆国法典第35部第120条に基づく下記の合衆国特許出願、又は第365条(c)項に基づく合衆国を指名したPCT国際出願の利益を主張し、本願の請求の範囲各項に記載の主題が合衆国法典第35部第112条第1項規定の態様で、先の合衆国特許出願又はPCT国際出願に開示されていない限度において、先の出願の出願日と本願の国内出願日又はPCT国際出願日の間に有効となった連邦規則法典第37部第1章第56条に記載の特許要件に所要の情報を開示すべき義務を有することを認める。

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Application No.)  
(出願番号)

(Day/Month/Year Filed)  
(出願の年月日)

(現況) (Status)  
(特許済み、係属中、放棄済み) (patented, pending, abandoned)

(Application No.)  
(出願番号)

(Day/Month/Year Filed)  
(出願の年月日)

(現況) (Status)  
(特許済み、係属中、放棄済み) (patented, pending, abandoned)

☐ その他の合衆国又は国際特許出願番号は別紙の追補優先権欄にて記載する。

☐ Additional U. S. or international application numbers are listed on a supplemental priority sheet attached hereto.

私は、ここに自己の知識にもとづいて行った陳述がすべて真実であり、自己の知る情報および信ずるところに従って行った陳述が真実であると信じ、さらに故意に虚偽の陳述等を行った場合、合衆国法典第18部第1001条により、罰金もしくは禁錮に処せられるか、またはこれらの刑が併科され、またかかる故意による虚偽による陳述が本願に対して付与される特許の有効性を損なうことがあることを認識して、以下の陳述を行ったことを宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

私、下記署名者は、ここに記載の米国弁護士または代理人に本出願に關し特許商標庁にて取られるいかなる行為に關して、同米国弁護士又は代理人が、私に直接連絡なしに私の外国弁護士或いは法人代表者からの指示を受け取り、それに従うようここに委任する。この指示を出す者が変更の場合には、ここに記載の米国弁護士又は代理人にその旨通知される。

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from either his foreign patent agent or corporate representative, if any, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

# Japanese Language Utility or Design Patent Application Declaration

委任状: 私は、下記発明者として、下記に明記された顧客番号を伴う以下の弁護士又は、代理人をここに選任し、本願の手続きを遂行すること並びにこれに関する一切の行為を特許商標庁に対して行うことを委任する。そして全ての通信はこの顧客番号宛に発送される。

顧客番号 7055

現在選任された弁護士は下記の通りである。

Neil F. Greenblum  
Bruce H. Bernstein  
James L. Rowland  
Arnold Turk

POWER OF ATTORNEY: As a named inventor, I hereby appoint the attorney(s) and/or agent(s) associated with the Customer Number provided below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number:

**CUSTOMER NUMBER 7055**

The appointed attorneys presently include:

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唯一のまたは第一の発明者の氏名	Full name of sole or first inventor Kiyoshi TOYODA	
同発明者の署名	日付	Inventor's signature <i>Kiyoshi Toyoda</i> Date Oct. 18th, 1999
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国籍	Citizenship Japan	
郵便の宛先	Post Office Address 1-10-31, Kita, Kunitachi-shi, Tokyo 186-0001 Japan	
第2の共同発明者の氏名 (該当する場合)	Full name of second joint inventor, if any	
同第2共同発明者の署名	日付	Second Inventor's signature Date
住所	Residence	
国籍	Citizenship	
郵便の宛先	Post Office Address	

(第三またはそれ以降の共同発明者に対しても同様な情報および署名を提供すること。)

(Supply similar information and signature for third and subsequent joint inventors.)